

CLAIMS

1. A photoelectric cell including an optoelectronic receptor circuit provided with a photoreceptor component, the photoreceptor area of which is able to receive a spot of light

5 characterized by the fact that:

- the photoreceptor surface of the component (11) has two juxtaposed photoreceptor areas ( $Z_1$ ,  $Z_2$ ), wherein these areas differ by their microelectronic nature,

10 - the cell has means (II) for assigning the photoreceptor circuit to a reflex operating mode or to a proximity operating mode,

- the first photoreceptor area ( $Z_1$ ) is provided with a first output ( $A_1$ ), enabled in the reflex operating mode,

- the second area (Z2) is provided with analog detection of position of the spot of light and is provided with a second output (A2), enabled in the proximity operating mode.

20           2. The cell according to claim 1, characterized by  
the fact that:

- the first area (Z1) is a photodiode area,
  - the second area (Z2) with analog detection of position is provided with a third output (A3), wherein the second output (A2) forms the close channel, and the third output (A3) forms the remote channel of this area for analog detection of position, respectively,

- the means for assigning the reflex or proximity operating mode is a switch (I1), wherein the

first and second outputs (A1, A2) may be switched to a processing circuit (12) by means of the switch (I1).

3. The cell according to claim 2, characterized by the fact that both areas (Z1, Z2) have a common  
5 cathode.